Unit 1 - Fraction and Decimal Numbers

a) Complete:

1) $\frac{1}{3} = \frac{2}{\dots} = \frac{3}{\dots} = \frac{\dots}{15} = \frac{9}{\dots} = \frac{\dots}{30}$

2) $\frac{4}{7} = \frac{12}{\dots} = \frac{20}{\dots} = \frac{8}{\dots} = \frac{\dots}{77}$

3) $\frac{28}{7} = \frac{\dots}{\dots} = \dots\dots$

4) $\frac{80}{8} = \frac{\dots}{\dots} = \dots\dots$

5) $\frac{1}{2} = \frac{5}{\dots}$

6) $\frac{16}{18} = \frac{\dots}{9}$

b) Simplify:

1) $\frac{2}{6} = \dots\dots\dots\dots$

2) $\frac{6}{9} = \dots\dots\dots\dots$

3) $\frac{6}{21} = \dots\dots\dots\dots$

4) $\frac{15}{24} = \dots\dots\dots\dots$



c) Put (<, > , =) :

1) $\frac{3}{6}$ .... $\frac{5}{6}$

2) $\frac{7}{5}$ .... $\frac{7}{8}$

3) $\frac{6}{11}$ .... $\frac{8}{11}$

4) $\frac{5}{7}$ .... $\frac{15}{21}$

5) $\frac{3}{3}$ .... $\frac{5}{5}$

6) 1 .... $\frac{5}{9}$

7) $\frac{8}{25}$ .... $\frac{8}{13}$

d) Arrange in ascending order :

1) $\frac{9}{10}$, $\frac{3}{10}$, $\frac{5}{10}$, $\frac{2}{10}$ The order is : .... , ... , ... , ...

2) $\frac{5}{9}$, $\frac{3}{9}$, $\frac{1}{9}$, $\frac{6}{9}$ The order is : .... , ... , ... , ...

3) $\frac{5}{7}$, $\frac{3}{7}$, 1 , $\frac{2}{7}$ The order is : .... , ... , ... , ...

4) $\frac{8}{12}$, $\frac{10}{12}$, $\frac{3}{4}$, $\frac{11}{12}$ The order is : .... , ... , ... , ...

e) Convert the mixed into improper :

1) $2\frac{1}{5}$ = ………
3) $5\ \frac{1}{6}$ = ……
2) $3\ \frac{4}{5}$ = ………
4) $7\ \frac{8}{11}$ = ……

f) Convert the improper into mixed :

1) $\frac{17}{4}$ = ………
3) $\frac{19}{8}$ = …………
2) $\frac{43}{7}$ = ………
4) $\frac{37}{6}$ = …………

g) Find the result as a mixed number :

1) $(\frac{4}{7} + \frac{5}{7}) - \frac{1}{7}$

2) $(\frac{8}{15} + \frac{13}{15}) - \frac{4}{15}$

3) $(\frac{3}{5} + \frac{6}{5}) + 1$

4) $(\frac{7}{9} - \frac{2}{9}) + \frac{4}{9}$

h) Choose the correct answer :

1) $\frac{2}{5} + \frac{3}{8} =$ ………… ($\frac{5}{40}$, $\frac{31}{40}$, $\frac{6}{40}$, $\frac{5}{13}$)

2) $\frac{5}{9} + \frac{1}{3} =$ ………… ($\frac{7}{9}$, $\frac{6}{12}$, $\frac{8}{9}$, $\frac{5}{27}$)

3) $\frac{5}{6} - \frac{1}{30} =$ ………… ($1\frac{1}{6}$, $\frac{4}{5}$, $\frac{4}{30}$, $\frac{5}{4}$)

4) $8 - \frac{2}{3} =$ ………… ($\frac{6}{3}$, $\frac{6}{5}$, $7\frac{2}{3}$, $7\frac{1}{3}$)

i) Find the result in the simplest form :

1) $6\frac{1}{6} + 7\frac{1}{7}$

2) $2\frac{1}{2} + \frac{4}{5}$

3) $4\frac{2}{3} - 2\frac{1}{4}$

4) $4\frac{1}{2} - \frac{1}{4}$

5) $7 - \frac{1}{7}$

6) $7\frac{1}{4} + \frac{1}{6} + 1\frac{1}{3}$

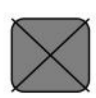
7) $\frac{1}{5} + \frac{7}{10} + \frac{4}{15}$

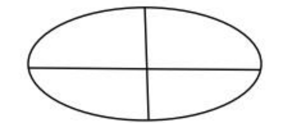
8) $(2\frac{2}{3} + \frac{1}{5}) - \frac{4}{5}$

9) $(8\frac{3}{4} - 2\frac{1}{2}) + 3\frac{1}{8}$

Fraction

1) Write the fraction of shaded parts





2) Write the number as improper fraction

a) $4 = \frac{......}{2}$

b) $10 = \frac{50}{......}$

3) Complete

a) $\frac{3}{4} = \frac{....}{8} = \frac{9}{....} = \frac{....}{20}$

4) Simplify

a) $\frac{15}{27} =$

b) $.\frac{25}{40} =$

5) Find the result

a) $\frac{5}{9} + \frac{2}{9} = ...$

b) $1 - \frac{7}{8} = ...$

Decimal numbers

Fractions with denominator 10 , 100 , 1000 , ……….. can be written as decimals

1) Write in decimal then in words

a) $4\frac{7}{10}=$ …………….. read as …………………

b) $\frac{7}{10}=$……………… read as …………………

c) $6\frac{1}{10}=$……………read as…………………

2) Write the fraction as decimal

a) $4\frac{1}{2}=$

b) $5\frac{1}{5}=$

c) $\frac{9}{5}=$

d) $\frac{17}{5}=$

e) $\frac{32}{20}=$

3) Write as decimal

a)Four and three tenths = ……………………..

b)Two and seven tenths = …………………….

c)Six tenths = ………………………………

d)Nine hundred forty and one tenth = ………………..

4) Convert the decimal to proper fraction or mixed number

a)9.4 = …………………..

b)0.4 = …………………..

c)14.2 = ………………..

d)0.8 = ………………….

5) Write in words

a)0.1 ……………

b)3.8 ……………

c)16.5 …………….

d)200.3 …………

The place value

1) Complete the table

Number	Units	Tenths	Hundredths
1.57	1	5	7
6.9			
2.07			

2) Underline the tens digit and circle the tenths

a) 456.876

b) 65.987

c) 7654.936

3) Convert to decimal

a) $3\frac{9}{25} =$

b) $\frac{24}{400} =$

c) $7\frac{3}{125} =$

4) Complete

a) ……….. + 0.6 = 1

b) 0.1 + ………... = 1

c) 0.3 + 0.2 + ……….. = 1

d) 7.6 = 7 + …………..

e) 0.7 + ………... = 5.7

More about decimals

1) Write in decimal

a) $\frac{7}{100}$ =

b) $3\frac{1}{100}$ =

c) $\frac{25}{1000}$ =

d) $\frac{5004}{1000}$ =

2) Convert the decimal into improper and mixed

a)6.9 = ……………… = ……………………

b)4.28 = ……………….. = ……………………..

c)17.23 = …………….. = …………………….

d)28.001 = ………….. = ……………………..

3) Write in digits

a) Five hundredths = ………………..

b) Twelve and fifteen hundredths = ………………..

c) Three hundred thousandths = ……………………

d) Forty four and three thousandths = ………………..

4) Write in words

a) 4.06 =

b) 0.138 =

c) 50.009 =

5) Complete

a) 3.8 = ………………… unit + ………………. Tenths

b) 16.125 = ……………. Thousandths + …………… hundredths + ………….. tenths + ………………. Unit + ………………… tens

c) 3.468 = 3 + ………………. + 0.06 + …………………….

d) 310.208 = ……………….. + 10 + ………………… + …………………

Comparing and ordering decimal numbers

There is infinite decimal numbers between any two numbers

For example: there are many numbers lie between **2** and **3.**

2 = 2.0 = 2.00 , 3 = 3.0 = 3.00

- If we put zeroes to the right of a decimal, its value doesn't change

2.0 , 2.1 , 2.2 , 2.3 , 2.4 , 2.5 , 2.6 , 2.7 , 2.8 , 2.9 , 3.0

1) Put the suitable sign < , > or =

a) 0.5………..0.3
b) 0.25 ……... 0.5
c) 0.04 …..…. 0.08
d) 0.99 ……… 1.01
e) 4.15 ………4.2
f) 9.06 ……….. 9.5
g) 1 ……………0.999
h) 0.03 ……… 0.3

2) write 4 numbers lying between each of the following:

a) 0.5 …………………………………………………0.6
b) 17.1 …………………………………………………17.2
c) 57.7…………………………………………………57.9
d) 15.9…………………………………………………16
e) 0.09…………………………………………………0.1

3) Arrange the following in an ascending order:

a) 5.5 , 6.3 , 6.7 , 5.2 and 5.9

The order:

………………………………………………………

b) 7.8 , 7.3 , 9.1 , 8.7 and 9

The order:

………………………………………………………

c) 17.5 , 16.15 , 17.25 and 16.6

The order:

………………………………………………………

4) Complete using whole number

a) …… < 6.87 <…….

b) …… < 65.9 <…….

c) …… < 0.936<……

5) Write 5 numbers lies between 3.1 , 3.2

……………… , …………… , …………………… ,
………………… , ……………………

6) ***Which is greater***

a) Five tenths , five hundredth

b) 5.07 , 6

c) 0.99 , 0.599

Operation on decimal numbers

1) ***Adding and subtracting decimal numbers:***

In order to add or subtract decimal numbers, we have to:

- Put the decimal points under each other.
- Put zeroes to the right of the last decimal digits in order to equal the number of digits after the decimal point.
- Then add or subtract from right to left.

For example:

I. Add: 18.75 + 4.2 =

II. Subtract: 13 – 2.65 =

1) Find the result of each of the following:

a) 0.2 + 0.987 =

b) 7.5 + 6.492 =

c) 13 + 2.65 =

d) 1.007 + 9 =

e) 0.6 – 0.275 =

f) 5.42 – 3.362 =

g) 100 – 47.85 =

h) 30.33 – 3.3 =

Homework

1) Add

a) 13.65 + 654.8 = …………….

b) 4.87 + 87.9 + 3.046 = ……………

c) 5 + 6.87 = ……………...….

2) Subtract

a) 7.98 - 3.611 = ………….
b) 7 - 5.43 = ……………..….
c) (45.76+7.5) – (3.6+6.61) = …………

3) Complete

a) 4.87 - ………….. = 2.111
b) ………….... - 7.9 = 4.66
c) ………….. + 6.34 = 2.025

4) Divide

a) 456 ÷ 10 =

b) 653 ÷ 100 =

c) 7211 ÷ 1000 =

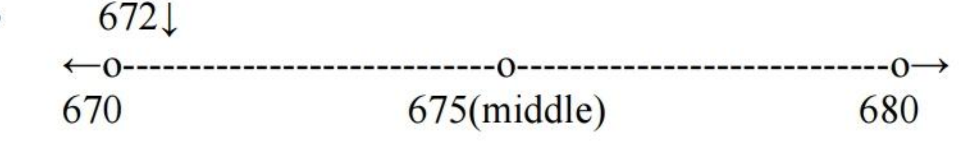
5) Story problem

Hanaa has 200 pounds she wants to buy a shoe for L.E99.8 , a bag for L.E 45.75 and a dress for L.E 70.25 can she buy all what she wants? Why?

Approximating to the nearest ten

To approximate 672 to the nearest ten

- 672↓



Then the number 672 lies between 670 and 680 but nearest to 670
672 ≈ 670 to the nearest ten

<u>Rule:</u>

To approximate to the nearest ten:

1. Circle tens,
2. If the number right to it is 0, 1, 2, 3, 4 ,cancel it,put 0
3. If the number right to it is 5, 6, 7, 8, 9 cancel it,put0 in unit and add 1 to tens

1) Approximate to the nearest ten

a) 45

b) 186

c) 92.8

d) 25.5

e) 123.2

2) Choose (approximate to the nearest 10)

a) 3 ≈ ……………… (0 , 1 , 10)

b) 6 ≈ ……………… (0 , 1 , 10)

c) 74 ≈ ……………… (70 , 75 , 80)

d) 9999 ≈ …………… (9990 , 9900 , 10000)

3) Find the result

a) 24.3 + 35.5 = …………….. ≈ ………….. (nearest ten)

b) 7.6 - 3 = ………………… ≈ ………….. (nearest ten)

c) 73410 ÷ 1000 = ………… ≈ ………….. (nearest ten)

Approximating to the nearest hundred or thousand

To approximate 672 to the nearest hundred

- 672↓

←o---------------------------o---------------------------o→

600 650(middle) 700

Then the number 672 lies between 600 and 700 but nearest to 700
672 ≈ 700 to the nearest hundred

Rule:

To approximate to the nearest: hundred or thousand

1. Circle hundred or thousand
2. If the number right to it is 0, 1, 2, 3, 4 cancel it, put 0 instead of each digit
3. If the number right to it is 5, 6, 7, 8, 9 cancel it, put 0 in unit and add 1 to hundred or thousand

1) Approximate to the nearest hundred

a) 86 ≈ …………………

b) 89950 ≈ ……………..

c) 45.987 ≈ …………….

d) 9999 ≈……………….

2) Approximate to the nearest thousand

a) 108 ≈ ………………

b) 2049 ≈ …………….

c) 506.4 ≈ ……………

d) 157.26 ≈ ………….

3) Story problem

A box contains 36 pieces of sweets. Find the number of pieces in 15 boxes.



Approximating the result to the nearest hundred

Approximating to the nearest ten thousand or hundred thousand

Rule:

To approximate to the nearest: ten thousand or hundred thousand

1. Circle ten thousand or hundred thousand
2. If the number right to it is 0, 1, 2, 3, 4 ,cancel it, put 0 instead of each digit
3. If the number right to it is 5, 6, 7, 8, 9 cancel it,put0 and add 1 to ten thousand or hundred thousand

1) Approximate to the nearest hundred thousand

a) 875694 =

b) 74 3817 =

c) 96 6096 =

d) 767288.6 =

2) Find the result then approximate to the nearest hundred thousand

547382.65 + 3629756.8

3) Approximate to the nearest 10000

a) 9256 ≈ …………………

b) 15674 ≈ ………………..

c) 7842 + 12715 = ……………….. ≈ …………………….

d) 87540 – 5999 = ……………….. ≈ …………………….



Approximating to the nearest unit

To approximate 67.2 to the nearest unit

- 67.2↓

←o---------------------------o---------------------------------o→

67 67.5(middle) 68

Then the number 67.2 lies between 67 and 68 but nearest to 670
67.2 ≈ 67 to the nearest unit

Rule:

To approximate to the nearest unit:

1. Circle unit
2. If the number right to it is 0, 1, 2, 3, 4 ,cancel it, put 0
3. If the number right to it is 5, 6, 7, 8, 9 cancel it,put0 and add 1 to uni

1) Approximate to the nearest unit

a) 569.4 ≈ …………………….

b) 38.17 ≈ …………………….

c) 60.96 ≈…………………….

d) $8\frac{3}{4}$ ≈ ……………………

2) Approximate to the nearest whole number

a) 0.8 ≈……………………..

b) 25.49 ≈ ………………….

c) 99.99 ≈ …………………..
d) 75 + 64.3 = ……………… ≈ ……………………..

Approximating to the nearest tenth

Rule:

To approximate to the nearest: tenth

1. Circle tenth
2. If the number right to it is 0, 1, 2, 3, 4 ,cancel it, put 0 instead of each digit
3. If the number right to it is 5, 6, 7, 8, 9 cancel it,put0 and add 1 to tenth

1) Approximate to the nearest tenth

a) 875.694 ≈ ………………….

b) 74 3.017 ≈ ………………

c) 96 60.96 ≈ ………………

d) 76.72886 ≈………………

2) Find the result then approximate to the nearest tenth

a) 547382.65 + 3629756.8 = …………….. ≈ …………………….

b) 0.816 – 0.207 = ………………….. ≈ …………………….
(nearest one decimal point)

c) 53.825 ≈ ……………………. (nearest $\frac{1}{10}$)

d) $\frac{1}{8}$ ≈ ………………….. (nearest one decimal place)

Unit 2 - Geometry

CONGRUENCY

Rule:

Two polygons are congruent if
Their corresponding sides are equal in length
Their corresponding angels are equal in measure

Remark 1

The two congruent polygons should be written in the same order of their corresponding vertices.

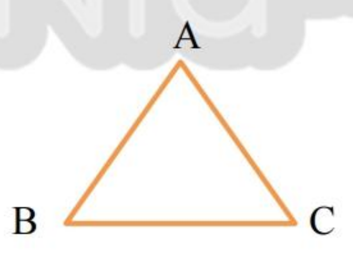
Remark 2

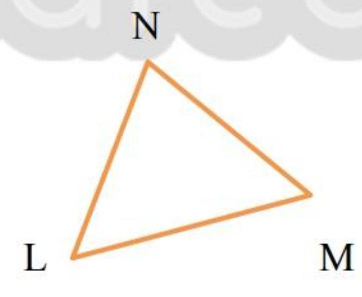
If the two polygons are congruent, then each side and each angle in one of them is congruent to its corresponding element in the other polygon.

Special cases

- Two squares are congruent if the side length of one of them equals the side length of the other.
- Two rectangles are congruent if the two dimensions of one of them equal the two dimensions of the other.

1) In the opposite figure : if triangle ABC ≡ triangle LMN, complete





a) m (< M) = ………………….

b) m (< N) = ………………….

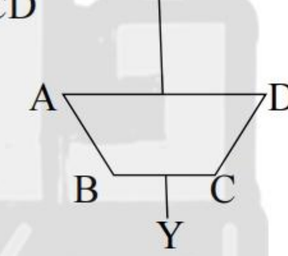
c) m (< L) = …………………..

2) complete

a) Two polygons are congruent if their corresponding sides are ………….. In length and their corresponding angles are …………… in measure.
b) Any two triangles are congruent if each …………… is congruent to its corresponding sides in the other triangle.
c) A diagonal of the rectangle divides it into two …………….. Triangle.
d) If triangle ABC ≡ triangle DEF, then BC ≡ ……………………….

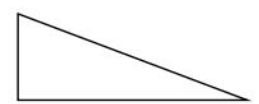
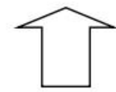
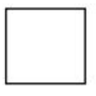
Symmetrical figures and lines of symmetry

1) complete



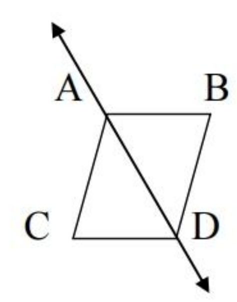
XY represents a line of symmetry for the figure ABCD
Complete
B is congruent to …..
AB is congruent to ……
The figure ABYX is congruent to ……
In this case ABCD is symmetrical figure

2) Determine the symmetrical figures; Draw one line of symmetry for each of them

Rule

The geometric figures which have one or more symmetric line is called symmetrical figure the geometric figures which have not symmetric line is called non- symmetrical figure



The parallelogram ABCD draw AC it divide
The figure into 2 congruent triangles but it is
Not symmetric line

Rule

The line which divide figures into 2 congruent parts it is not a must to be line of symmetry

3) Choose

a) The scalene triangle has ……… . Line of symmetry (2 , 0 , 1)

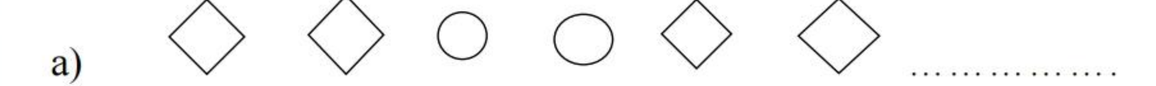
b) The rectangle has …………… line of symmetry (2 , 3 , 4)

c) The parallelogram has ……….. line of symmetry (4 , 2 , 0)

d) The isosceles triangle has……. Line of symmetry (1 , 2 , 3)

Visual patterns

1) What is the next?

a)  ……………

b) 1 , 5 , 9 ,13 , …………………

2) Draw the next 4 figure

a) 

b) △ ▭ ▭ △

3) Complete

a) 1.2 , 2.3 , 3.4 , ……………… , ……………………

b) 10 , 9.6 , 9.2 , ……………… , ……………………

Unit 3 - Measurement

The capacity

The capacity of bottle determine the quantity of the liquid fill it

The units of measuring capacity is liter or milliliter

The liter is the capacity of cube of side length 10 cm

The milliliter is the capacity of cube of side length 1 cm

1 liter = 1000 milliliter

1 liter =1 dm^3=1000 cm^3

1) Complete

a) 3litre = …………..…….. dm^3

b) 7000cm^3= ……………….. liter

c) 6.765 liter = ……………………... milliliters

d) ………………. Milliliters = 4000cm^3 = ……………….. liter

2) Arrange in an ascending order

a) 10 liter

b) 30 milliliter

c) 2000 milliliters

d) 30 liters

The weight

The units of measuring weight is kg or gm. or ton

1 ton = 1000 kg

1 kg =1000 gm.

1 ton = 1000000 gm.

1) Complete

a) 3 tons = ………………… Kg

b) 7000 gm. =……………… Kg

c) 6750 ton =……………… Kg

d) ………… .Ton = 4000 kg =…………………… gm.

2) A man bought 8 ton of iron for building his family house
If the price of 1 kg is L.E 4.5 find
The price of 1 ton
The money paid for the iron he bought

The time

The units of measuring time is days, hours, minutes and second

1 day = 24 hours

$\frac{1}{2}$ ***Day = 12 hours***

$\frac{1}{4}$ ***Day = 6 hours***

1) Complete

a) 4 days = ……………………. hours

b) 72 hours = ……………..… days

c) Third a day = …………….. Hours

----

d) 1 hour = 60 minutes

e) $\frac{1}{4}$ Hour =15 minutes

f) $\frac{1}{2}$ Hours = 30 minutes

2) Complete

a) 3 hours = ………………….. Minutes

b) 120 minutes = ……………... Hours

c) 1 hour and third = ……………. Minutes

1 Minutes = 60 seconds

$\frac{1}{4}$ ***Minutes = 15 seconds***

$\frac{1}{2}$ ***Minutes = 30 seconds***

1) Complete

a) 240 seconds = ……………….. Minutes

b) 4 minutes = ……………………… Seconds

c) 2 minutes and half = ………………seconds

Measuring temperature

The units of measuring temperature is the degree centigrade symbolized by 1c,
Measured by thermometer

The temperature of boiling water is 100

The temperature of freezing water is 0

1) Choose

1- A person has a bath with water of temperature ………………..….
(0 , 35 , 90 , 99)

2- The body temperature is ……………….. (17 ,27 ,37 ,47)



Unit 4 - Statics and Probability

Collecting, displaying and representing data

Representing data using histogram

1) Using this table answer

Activity	sports	social	artistic	Cultural
Number of pupils	45	25	30	15

Represent by *histogram*

2) Using the following table

Represent by ***double bars***

year /museum	historic	artistic	National
2005/2006	120	15	10
2006/2007	150	40	10

3) Using this table answer

Family	First	Second	Third	Fourth	Fifth
Number of pupils	35	25	5	15	20

Represent by ***histogram***

Using the following table

Represent by ***double bars***

pupil /day	Sat.	Sun	Mon.	Tues.	Wend.	Thur.
2005/2006	3	4	3	6	4	2
2006/2007	4	5	2	5	5	3

Probability

An impossible event has probability 0

A certain event has probability 1

The possible event is between 0 , 1

1) What is the probability of march having 32 days
What is the probability of april having 30 days

2) If you toss a die

a) What is the probability of getting less than 7

b) What is the probability of getting number more than 6

c) What is the probability of getting number 7

3) If you toss a coin

a) What is the probability of getting head

b) What is the probability of getting tail

4) If you toss a die

a) What is the probability of getting even number

b) What is the probability of getting number less than 3

c) What is the probability of getting number 5

Model answers for
The school booklet
from P:1 - P:12

a- Complete:

1) 6 , 9 , 5 , 27 , 10
2) 21 , 35 , 14 , 44
3) $\frac{4}{1}$, 4
4) $\frac{10}{1}$, 10
5) 10
6) 8

b- Simplify:

1) $\frac{1}{3}$ 2) $\frac{2}{3}$ 3) $\frac{2}{7}$ 4) $\frac{5}{8}$

c- Put (< , > , =):

1) < 2) > 3) < 4) =
5) = 6) > 7) <

d- Arrange in ascending order:

1) $\frac{2}{10}$, $\frac{3}{10}$, $\frac{5}{10}$, $\frac{9}{10}$
2) $\frac{1}{9}$, $\frac{3}{9}$, $\frac{5}{9}$, $\frac{6}{9}$
3) $\frac{2}{7}$, $\frac{3}{7}$, $\frac{5}{7}$, 1
4) $\frac{8}{12}$, $\frac{3}{4}$, $\frac{10}{12}$, $\frac{11}{12}$

e- Convert the mixed into improper:

1) $\frac{11}{5}$ 2) $\frac{19}{5}$ 3) $\frac{31}{6}$ 4) $\frac{85}{11}$

f- Convert the improper into mixed:

1) $4\frac{1}{4}$ 2) $6\frac{1}{7}$ 3) $2\frac{3}{8}$ 4) $6\frac{1}{6}$

g- Find the result as a mixed number:

1) $1\frac{1}{7}$ 2) $1\frac{2}{15}$ 3) $2\frac{4}{5}$ 4) 1

h- Choose the correct answer:

1) $\frac{31}{40}$ 2) $\frac{8}{9}$ 3) $\frac{4}{5}$ 4) $7\frac{1}{3}$

i- Find the result in the simplest form:

1) $13\frac{13}{42}$ 2) $3\frac{3}{10}$ 3) $2\frac{5}{12}$ 4) $4\frac{1}{4}$
5) $6\frac{6}{7}$ 6) $8\frac{3}{4}$ 7) $1\frac{1}{6}$ 8) $2\frac{1}{15}$ 9) $9\frac{3}{8}$

Fraction

1) Write the fraction of shaded parts:

1)

2- Write th number as improper fraction:

a) 8 b) 5

3- Complete:

a) 6 , 12 , 15

4- Simplify:

a) $\frac{5}{9}$ b) $\frac{5}{8}$

5- Find the result:

a) $\frac{7}{9}$ b) $\frac{1}{8}$

Decimal numbers

1) Write in decimal then in words:

a) 4.7 , four and seven tenth
b) 0.7 , seven tenth
c) 6.1 , six and one tenth

2) Write the fraction as decimal:

a) 4.5 b) 5.2 c) 1.8
d) 3.4 e) 1.6

3) Write as decimal:

a) 4.3 b) 2.7 c) 0.6 d) 940.1

4- Convert the decimal to proper fraction or mixed number:

a) $9\frac{2}{5}$ b) $\frac{2}{5}$ c) $14\frac{1}{5}$ d) $\frac{4}{5}$

5- Write the words:

a) one tenth
b) Three and eight tenth
c) Sixteen and five tenth
d) Two hundred and three tenth

The place value

1) Complete the table:

6 , 9 , -
2 , 0 , 7

2- Underline the tens digit and circle the tenths :

a) 5 ⑧
b) 6 ⑨
c) 5 ⑨

Model answers for
The school booklet
from P:1 - P:12

3) Convert to decimal:

a) 3.36 b) 0.06 c) 7.024

4) Complete:

a) 0.4

b) 0.9

c) 0.5

d) 0.6

e) 5

More about decimals

1) Write in decimal:

a) 0.07 b) 3.01 c) 0.025 d) 5.004

2) Convert the decimal into improper and mixed:

a) $\frac{69}{10}$, $6\frac{9}{10}$

b) $\frac{428}{100}$, $4\frac{28}{100}$

c) $\frac{1723}{100}$, $17\frac{23}{100}$

d) $\frac{28001}{100}$, $28\frac{1}{1000}$

3) Write in digits:

a) 0.05 b) 12.15 c) 0.3 d) 44.003

4) Write in words:

a) four and six hundredth

b) one hundred thirty eight thousandth

c) fifty and nine thousandth

5) Complete:

a) 3 , 8

b) 5 , 2 , 1 , 6 , 1

c) 0.4 , 0.008

d) 300 , 0.2 , 0.008

Comparing and ordering decimal numbers

1) Put the suitable signe < , > or =:

a) > b) < c) < d) < e) < f) <

g) > h) <

2) Write 4 numbers lying between each of the following:

a) 0.51 , 0.52 , 0.53

b) 17.11 , 17.12 , 17.13

c) 57.71 , 57.72 , 57.73

d) 15.91 , 15.92 , 15.93

e) 0.091 , 0.092 , 0.093

3) Arrange the following in an asceding order:

a) 5.2 , 5.5 , 5.9 , 6.3 , 6.7

b) 7.3 , 7.8 , 8.7 , 9 , 9.1

c) 16.15 , 16.6 , 17.25 , 17.5

4) Complete using whole number:

a) 6 , 7

b) 65 , 66

c) 0 , 1

5) Write 5 numbers lies between 3.1 , 3.2:

3.11 , 3.12 , 3.13 , 3.14 , 3.15

6) Which is greater:

a) fivetenths

b) 6

c) 0.99

Answer P. 13

I- 22.95

II- 10.35

1) a- 1.187 b-13.992 c-15.65 d-10.007 e- 0.325 f- 2.058

g-52.15 h-27.03

Answer P. 14

1) a- 668.45 b- 95.816

2) a- 4.369 b- 0.75 c-43.05

3) a-2.759 b-12.56 c- 4.315

4) a-45.6 b- 6.53 c- 7.211

5) The total things = 215.8

No, she can't bec . 215.8 > 200

Answer P . 15

1)

a- 50 b- 190 c-90 d- 30 e- 120

Answer P. 16

2)

a- 0 b- 10 c-70 d-10000

3)

a- 60 b- 0 c- 70

Answer p. 17

1)

a-100 b- 90000 c- 0 d-10000

Answer p.18

2)

a- 0 b- 2000 c- 1000 d- 0

3) 36 × 15 = 540

Answer p.19

1)

a-900.000 b- 700.000 c- 1.000.000 d- 800.000

Answer p.20

2) 4.200.000

3)

a-10.000 b-20000 c-20000 d-80000

Answer p.21

1)

a) 569 b- 38 c- 61 d- 9

2)

a)1 b- 25 c- 100 d- 139

Answer p.22

1)

a- 875 b- 743 c- 9661 d- 76.7

2)

a- 4.177.139.5 b-0.6 c-53.8 d-0.1

P-21

1) a) 569 b) 38 c) 61 d) 8.75= 9

2) a) 1 b) 25 c) 100 d) 139.3 = 139

P-22

1) a) 875.7 b) 743 c) 9661 d) 76.7

2) a) 4 177 139.45 = 4 177 139.5 b) 0.609 = 0.6

c) 53.8 d) 0.125 = 0.1

P-23

1) a) m(<B) b) m(<C) c) m(<A)

P-24

2) a) equal , equal b) side c) congruent (similar) d) EF

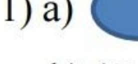
1) Complete:

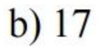
B is congruent to C , AB is congruent to DC , Figure DCXY

P-25

3) a) 0 b) 2 c) 2 d) 1

P-26

1) a) 

b) 17 

2) a)

b)   

3) a) 4.5 , 5.6 b) 8.8 , 8.4

P-27

1) a) 3 b) 7 c) 6765 d) 4000 = 4

2) 30ml , 2000 ml , 10 L , 30 L

P-28

1) a) 3000 b) 7 c) 6750 000 d) 4 ton = 4000 000 gm

2) Price of one ton = 4.5 * 1000 = 45000 L.E

Money paid = 8 * 4500 = 36 000 L.E

P-29

1) a) 96 b) 3 c) 8

2) a) 180 b) 2 c) 60+20=80

P-30

1) a) 4 b) 240 c) 120+30=150

P-31

1) a) 35 b) 37

P-33

1) zero , 1

2) a)1 b) zero c) zero

3) a) – b) –

4) a) – b) – c) –